

VALUING EXTERNALITIES WORKSHOP

AGENDA

Thursday, February 20

- 7:30 a.m. Registration and Continental Breakfast
- 8:30 a.m. Welcoming Remarks
Mildred Perry, U.S. Department of Energy, National Energy Technology Laboratory
- 8:45 a.m. Introduction to Externalities: Early 1990s results and methods
Russell Lee, Oak Ridge National Laboratory

Session I – Health Effects of Fine Particulates: A Discussion

Moderator: William Aljoe, U.S. Department of Energy, National Energy Technology Laboratory

- 9:15 a.m. EPRI Perspective – Latest Findings
Ronald Wyzga, EPRI
- 9:45 a.m. Evidence for PM Sources and Types Causing Premature Mortality
Dan Costa, EPA
- 10:15 a.m. Break
- 10:30 a.m. What Types of PM_{2.5} (Or Associated Pollutants) May Be More (Or Less) Likely to Cause Premature Mortality?
Thomas Grahame, U.S. Department of Energy
- 11:00 a.m. PM Toxicology: Latest Findings and EPRI's New Research Initiatives
Annette Rohr, EPRI
- 11:30 a.m. Quantifying the Health Benefits of Reducing Concentrations of Ambient Particulate Matter: Why We Cannot Do It Yet
Laura C. Green, Cambridge Environmental Inc.
- 12:00 p.m. Lunch (on your own)
- 1:00 p.m. Panel Discussion on PM

Session II – A Survey of Externality Models: How they Work and Why They Are Different

Moderator: Mildred Perry, U.S. Department of Energy, National Energy Technology Laboratory and Russell Lee, Oak Ridge National Laboratory

- 1:30 p.m. Analysis of Human Health Valuation Models for NETL Technology Evaluation
Timothy Skone, Science Applications International Corporation
- 2:00 p.m. The CAPMS Project
Leland Deck, Abt Associates
- 2:30 p.m. Using the Tracking and Analysis Framework (TAF) in the Electricity Sector
Dallas Burtraw, Resources for the Future
- 3:00 p.m. Break
- 3:15 p.m. The ExternE Project of the EU
Ari Rabl, Ecole des Mines
- 3:45 p.m. Extending PM Risk Analyses to Address Scientific Uncertainties
Anne Smith, Charles River Associates
- 4:15 p.m. Incorporating Mortality Reductions From Use of Low-Cost Power Into Evaluations of Externality Proposals
Daniel E. Klein, Twenty-First Strategies, LLC
- 4:45 p.m. Panel Discussion on Modeling
- 5:15 p.m. Poster Session and Light Refreshments
- 6:15 p.m. Adjourn for the Day

Friday, February 21

- 7:30 a.m. Registration and Continental Breakfast
- 8:45 a.m. Opening Remarks
Mildred Perry, U.S. Department of Energy, National Energy Technology Laboratory
- 9:00 a.m. Valuing Research & Development Across DOE
Russell Lee, Oak Ridge National Laboratory

Session III – Steps in Developing a Mercury Externality Model: A Discussion

Moderator: Thomas Grahame, U.S. Department of Energy, and Russell Lee, Oak Ridge National Laboratory

- 9:30 a.m. Opening Remarks on Mercury Externalities
Thomas Grahame, U.S. Department of Energy
- 9:45 a.m. Mercury Sources, Transport, and Fate in the Atmosphere
Leonard Levin, EPRI
- 10:15 a.m. Break
- 10:30 a.m. Mercury Transformations on Land and Water (METALLICUS)
David Krabbenhoft, USGS and John Goodrich-Mahoney, EPRI
- 11:00 a.m. Relating Mercury Deposition and Transformation to Methylmercury Levels in Fish
John Goodrich-Mahoney, EPRI
- 11:30 a.m. Health Effects of Mercury in Fish
Gary Myers, University of Rochester Medical Center
- 12:00 p.m. Lunch (on your own)
- 1:00 p.m. Aquatic Chemistry of Mercury
Robert P. Mason, University of Maryland Center for Environmental Science
- 1:30 p.m. Mercury Effects on Wildlife
Gary H. Heinz, U.S. Geological Survey
- 2:00 p.m. Assessing the Cost-Effectiveness of Electric Sector Mercury Control Policies
Anne Smith, Charles River Associates
- 2:30 p.m. Legal and Policy Considerations for Valuing Externalities
Eugene M. Trisko, Attorney at Law
- 3:00 p.m. Panel Discussion on Mercury
- 3:30 p.m. What Are the Next Steps to Developing a Full Mercury Externalities Model?
Russell Lee, Oak Ridge National Laboratory
- 4:00 p.m. Adjourn